AMENDMENTS TO THE CLAIMS:

The listing of claims will replace all prior versions, and listings of claims in the application:

LISTING OF CLAIMS:

1. (Previously Presented) A light source comprising:

a light engine for generating light of one of a plurality of wavelengths, the light engine including:

a platform, and

at least one LED disposed on the platform;

an enclosure surrounding a light generating area of the light engine;

a base including a heat sink for conducting thermal energy away from the at least one LED, into which the heat sink and the light engine is mounted;

a luminescent converting element to receive a light generated by the light engine and convert at least a portion of the received light into visible light, said luminescent converting element being one of disposed on the enclosure and dispersed within the material forming the enclosure or both; and

a conversion circuit for supplying electric power to the light engine.

2. (Cancelled)

3. (Previously Presented) The light source as set forth in claim 1, further including:

a light guide disposed within the enclosure.

4. (Cancelled)

5. (Previously Presented) The light source as set forth in claim 3, wherein the light guide provides an appearance of a filament.

6. (Cancelled)

7. (Previously Presented) The light source as set forth in claim 3, wherein the light guide comprises a reflector.

8. (Cancelled)

9. (Cancelled)

10. (Cancelled)

11. (Previously Presented) The light source as set forth in claim 1, wherein the luminescent converting element comprises a phosphor.

12. (Previously Presented) The light source as set forth in claim 1, wherein the phosphor comprises one of:

an organic phosphor,

an organic complex of a rare earth metal,

a nanophosphor, and

a quantum dot phosphor.

13. (Previously Presented) The light source as set forth in claim 1, further comprising:

one of an index matching material and a lensing material encompassing the at least one LED.

14. (Previously Presented) The light source as set forth in claim 1, wherein the base is adapted for mating with the light engine.

15. (Previously Presented) The light source as set forth in claim 1, wherein the heat sink comprises:

a slug inserted into the base for conducting the thermal energy from the at least one LED to

at least one of the base and ambient air.

16. (Previously Presented) The light source as set forth in claim 15, wherein the slug comprises:

a plurality of fins disposed about an outer periphery.

17. (Previously Presented) The light source as set forth in claim 1, wherein the heat sink extends radially from the base to conduct the thermal energy to ambient air.

18. (Previously Presented) The light source as set forth in claim 1, wherein the conversion circuit comprises:

an AC to DC converter.

19. (Cancelled)

20. (Previously Presented) The light source as set forth in claim 1, wherein the enclosure comprises a substantially elliptical shape.

21. (Previously Presented) The light source as set forth in claim 20, wherein the enclosure comprises a substantially spherical shape.

22. (Cancelled)

23. (Previously Presented) A modular adaptable LED lighting system comprising:

a base module;

at least two light modules having different light emission characteristics, each light module including:

a platform which mates with the base module, and

at least one LED disposed on the platform for generating light in a range from ultraviolet to infrared wavelengths;

an enclosure, which surrounds the light produced by the light module such that at least a portion of the light is transmitted through the enclosure;

a wavelength converting material being one of disposed on the enclosure and dispersed within the material forming the enclosure or both;

an index matching material encompassing the at least one LED; and

a power module for energizing the at least one LED.

24. (Previously Presented) The lighting system of claim 23 wherein the base module is one of a screw base or a wedge base.

25. (Currently Amended) The light source of claim 1, wherein [[the]] light of a second wavelength is visible.

26. (Previously Presented) The light source of claim 1, wherein the base further includes an active cooling device.

27. (Previously Presented) The light source of claim 26, wherein the active cooling device is one of thermoelectric cooling, piezo synthetic jets, qu-pipes, heat pipes, piezo fans, and electric fans.

28. (Previously Presented) The light source of claim 1, wherein the platform comprises a printed circuit board or a heat sink.

29. (Previously Presented) The light source of claim 1, wherein the base is a screw or wedge base.

30. (Previously Presented) The light source of claim 1, wherein the light engine is positioned at a peripheral of the enclosure.